## **AMENDMENTS**

## In the Claims

## Claims 1 and 6 are amended as follows:

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1. (TWICE AMENDED) A method for forming within a silicon semiconductor substrate employed within a microelectronics fabrication a silicon oxide dielectric layer comprising: providing a silicon semiconductor substrate;

forming over the silicon semiconductor substrate a patterned silicon nitride mask layer;

oxidizing the silicon semiconductor substrate locally at a first oxidation temperature of at least above 1 00 degrees centigrade through the silicon nitride mask pattern to form silicon oxide dielectric layers to prevent out-diffusion of nitrogen species and minimize formation of silicon oxynitride inclusions within the silicon oxide layers; and

oxidizing the silicon substrate further at a second temperature no greater than 1100 degrees centigrade, as desired to form greater thickness of said silicon oxide dielectric layers.

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6. (THRICE AMENDED) A method for forming within a silicon semiconductor substrate employed within an integrated circuit microelectronics fabrication a silicon oxide dielectric field oxide (FOX) isolation layer comprising:

providing a silicon semiconductor substrate;

forming upon the silicon semiconductor substrate a silicon oxide pad oxide layer; forming upon the silicon oxide pad oxide layer a patterned silicon nitride mask

layer;

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oxidizing the silicon substrate locally at a first oxidation temperature of at least above 1100 degrees centigrade through the patterned silicon nitride mask layer to form silicon oxide dielectric field oxide (FOX) isolation layers to prevent out-diffusion of nitrogen species and minimize formation of silicon oxynitride inclusions within the silicon oxide dielectric layers; and

oxidizing the silicon substrate further at a second temperature no greater than 1100 degrees centigrade, as desired to form greater thickness of said silicon oxide dielectric layers.

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